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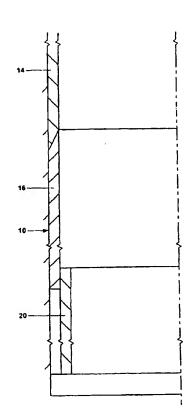
(74) Agents: MATTINGLY, Todd et al.; Haynes and Boone. LLP. Suite 3100, 901 Main Street, Dallas, TX 75202 (US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU. CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH. GM. HR, HU. ID, IL, IN. IS, JP, KE, KG, KP, KR, KZ, LC. LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW. MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

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(54) Title: METHOD OF FORMING A MONO DIAMETER WELLBORE CASING



(57) Abstract: A method of forming a wellbore easing that includes positioning a first wellbore casing (14) within and coupling to a borehole (10), positioning a second wellbore casing (16) within the borehole that overlaps with and is coupled to the first wellbore casing (14), positioning a tubular liner (18) within the borehole that overlaps with and is coupled to at a least a portion of the second wellbore casing (16), extending the length of the borehole (10), decoupling the liner (18) from the second casing (16) and removing the liner from the borehole, and positioning a third wellbore casing (20) within the borehole that overlaps with and is coupled to the second wellbore casing (16).

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SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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- with international search report
- with amended claims

Date of publication of the amended claims: 25 November 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

## AMENDED CLAIMS

[received by the International Bureau on 20 July 2004 (20.07.04); claims 21 to 30 added]

21. A method of forming a wellbore easing within a bordhole that traverses a subterranean formation, comprising:

positioning a tubular liner within the borehole; extending the length of the borehole; removing the tubular liner from the borehole; positioning a wellbore casing within the borehole; and coupling the wellbore casing to the borehole.

22. A method of forming a wellbore casing within a borehole that traverses a subterranean formation, comprising:

positioning a first wellbore casing within and coupling the first wellbore casing to the borehole;

positioning a tubular liner within the borehole that overlaps with and is coupled to at least a portion of the first wellbore casing;

extending the length of the borehole;

decoupling the tubular liner from the first wellbore casing and removing the tubular liner from the borehole; and

positioning a second wellbore casing within the boxchole that overlaps with and is coupled to the first wellbore casing.

23. A system for forming a wellbore casing within a borehole that traverses a subterranean formation, comprising:

means for positioning a tubular liner within the borehole;
means for extending the length of the borehole;
means for removing the tubular liner from the borehole;
means for positioning a wellbore casing within the borehole; and
means for coupling the wellbore casing to the borehole.

24. A system for forming a wellbore casing within a borehole that traverses a subterranean formation, comprising:

means for positioning a first wellbore easing within and coupling the first wellbore easing to the borehole;

means for positioning a tubular liner within the byrehole that overlaps with and is coupled to at least a portion of the first wellbore casing;

means for extending the length of the borehole;

means for decoupling the tubular liner from the first wellbore easing and removing the tubular liner from the borehole; and

means for positioning a second wellbore casing within the borehole that overlaps with and is coupled to the first wellbore casing.

25. A method of forming a wellhore casing within a borehole that traverses a subterranean formation, comprising:

positioning a first wellbore casing within and coupling the first wellbore casing to the borehole;

positioning a second wellbore casing within the borehole that overlaps with and is coupled to the first wellbore casing;

preventing the second wellbore casing from collapsing;

extending the length of the borehole; and

positioning a third wellbore casing within the borehole that overlaps with and is coupled to the second wellbore casing.

26. A method of forming a wellbore casing within a borehole that traverses a subterranean formation, comprising:

preventing the borehole from collapsing;

extending the length of the borehole;

positioning a wellbore casing within the borehole; and

coupling the wellbore casing to the borehole.

27. A method of forming a wellbore easing within a borehole that traverses a subterranean formation, comprising:

positioning a first wellbore casing within and coupling the first wellbore casing to the borehole;

preventing the first wellbore casing from collapsing;

extending the length of the borehole; and

positioning a second wellbore casing within the borehole that overlaps with and is coupled to the first wellbore casing.

28. A system for forming a wellbore easing within a borehole that traverses a subterranean formation, comprising:

means for positioning a first wellbore easing within and coupling the first wellbore easing to the borehole;

means for positioning a second wellbore casing within the borehole that overlaps with and is coupled to the first wellbore easing;

means for preventing the second wellbore casing from collapsing; means for extending the length of the borehole; and

means for positioning a third wellbore easing within the borchole that overlaps with and is coupled to the second wellbore easing.

29. A system for forming a wellbore casing within a borehole that traverses a subterranean formation, comprising:

means for preventing the borehole from collapsing;
means for extending the length of the borehole;
means for positioning a wellbore casing within the borehole; and
means for coupling the wellbore casing to the borehole.

30. A system for forming a wellhore casing within a borehole that traverses a subterranean formation, comprising:

means for positioning a first wellbore casing within and coupling the first wellbore casing to the borehole;

means for preventing the first wellbore casing from collapsing;

means for extending the length of the borehole; and

means for positioning a second wellbore casing within the borehole that overlaps with and is coupled to the first wellbore casing.

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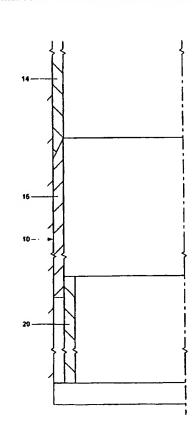
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- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, F1, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,

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GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

SE, SL, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, (88) Date of publication of the international search report: 14 October 2004

## Declaration under Rule 4.17:

of inventorship (Rule 4.17(iv)) for US only

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/20870

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A. CLASSIFICATION OF SUBJECT MATTER				
IPC(7) : E21B 7/20, 19/16, 43/10			RECEIVE	
US CL : 175/171; 166/380, 207, 208				
According to International Patent Classification (IPC) or to both national classification and IPC			OCT 2 2 2004	
Minimum documentation searched (classification system followed by classification symbols)  11 S : 175/171: 166/380, 207, 208, 206, 216, 217, 277  HAYNES & BOONE L.				
U.S.: 175/171; 166/380, 207, 208, 206, 216, 217, 277				
Danamantatio	Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
Documentation searched duty than minimum described to				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)				
EAST: wellbore, casing, coupling, liner, decoupling, expanding, mono diameter				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
	Citation of document, with indication, where app	propriate, of the relevant passages	Relevant to claim No.	
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A	US 1,880,218 A (SIMIMONS) 1 October 1950 (01:10:1950), 11gard 5 and 1			
	US 6,543,552 B1 (METCALFE et al) 8 April 2003 (08.04.2003), Figures 1-5.			
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Α	US 6,550,539 B2 (MAGUIRE et al) 22 April 2003 (22.04.2003), Figures 4a-4f.		1, 2, 11, 12	
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Α	US 6,070,671 A (CUMMING et al) 6 June 2000 (06.06.2000), Figures 1-4.		3, 4, 6, 7, 9, 10, 13, 14, 16, 17, 19, 20	
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Further documents are listed in the continuation of Box C. See patent family annex.				
Special categories of cited documents:     To later document published after the international filing date or priority date and not in conflict with the application but cited to understand the				
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